

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	27755	(test\$3 or calibrat\$3)near3(LCD or display\$1 or liquid adj crystal adj display or plasm adj display or matrix or flat adj panel adj display or FPD)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 13:38
L2	5142	"2" same(subtract\$3 or resultant)and (active or non adj active or energis\$3 or de adj energis\$3 or on or off)and (first and second)same image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 13:43
L3	5	2 and(subtract\$3 or resultant)and (active or non adj active or energis\$3 or de adj energis\$3 or on or off)and (first and second)same image\$1 same (row or column)same(defect\$3 or fault or flaw or malfunction or reject\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 13:45
L4	1	1 and(subtract\$3 or resultant)and (active or non adj active or energis\$3 or de adj energis\$3 or on or off)and (first and second)same image\$1 same (row or column)same(defect\$3 or fault or flaw or malfunction or reject\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 13:43
L5	30	1 same(subtract\$3 or resultant)and (active or non adj active or energis\$3 or de adj energis\$3 or on or off)and (first and second)same image\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 13:43
L6	1	5 and (subtract\$3 or resultant)and (active or non adj active or energis\$3 or de adj energis\$3 or on or off)and (first and second)same image\$1 same (row or column)same(defect\$3 or fault or flaw or malfunction or reject\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 13:45
L7	22	5 and (compar\$5 or match\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 13:46
L8	1	5 and (compar\$5 or match\$3)same (resultant or subtract\$3)same(first or second) same (row or column)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/06 13:48

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	158708	(test\$3 or calibrat\$3)and(LCD or display\$1 or liquid adj crystal adj display or plasm adj display or matrix or array or flat adj panel adj display or FPD)	US-PGPUB	OR	ON	2005/07/06 13:22
L2	26133	1 and (subtract\$3 or resultant)and(active or non adj active or energis\$3 or de adj energis\$3 or on or off)	US-PGPUB	OR	ON	2005/07/06 13:24
L3	6902	2 and (subtract\$3 or resultant)and(active or non adj active or energis\$3 or de adj energis\$3 on or off)and (first and second)and image\$1 and (row or column)	US-PGPUB	OR	ON	2005/07/06 13:27
L4	3991	3 and(defect or flaw or fault or reject\$3)	US-PGPUB	OR	ON	2005/07/06 13:28
L5	2	4 and (compar\$5 or match\$3)same(subtract\$3 or resultant)same(row or column) same(defect or flaw or fault or reject\$3)	US-PGPUB	OR	ON	2005/07/06 13:29

	U	1	Document ID	Issue Date	Pages
1			US 20040207836 A1	20041021	98
2			US 20020157033 A1	20021024	10

	Title	Current OR	Current XRef
1	High dynamic range optical inspection system and method	356/237.4	
2	Testing an image display device	714/1	

	Retrieval Classif	Inventor	S	C	P	2	3	4	5
1		Chhibber, Rajeshwar et al.	X						
2		Cox, Andrew	X						

	Image Doc. Displayed	PT
1	US 20040207836	
2	US 20020157033	

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L1	14950	(test\$3 or calibrat\$3)near3(LCD or display\$1 or liquid adj crystal adj display or plasm adj display or matrix or flat adj panel adj display or FPD)	USPAT	OR	ON	2005/07/06 12:28
L2	62	1 and (substrat\$3 or resultant)and (active or non adj active or energis\$3 or de adj energis\$3 or on or off)and(first and second)same (row or column)same image\$1	USPAT	OR	ON	2005/07/06 12:31
L3	26	2 and (substrat\$3 or resultant)and (active or non adj active or energis\$3 or de adj energis\$3 or on or off)and(first and second)same (row or column)same image\$1 and (defect\$3 or flaw or fault or malfunction or reject\$3)	USPAT	OR	ON	2005/07/06 12:32
L4	0	3 and(compar\$5 or match\$3)same(substrat\$3 or resultant)with(first and second)same image\$1 same(row or column)same(defect\$3 or flaw or fault or malfunction or reject\$3)	USPAT	OR	ON	2005/07/06 12:40
L5	394	382/145.ccls.	USPAT	OR	ON	2005/07/06 12:35
L6	13	5 and 1	USPAT	OR	ON	2005/07/06 12:35
L7	0	6 and 2	USPAT	OR	ON	2005/07/06 12:36
L8	0	6 and 3	USPAT	OR	ON	2005/07/06 12:36
L9	376	345/55.ccls.	USPAT	OR	ON	2005/07/06 12:36
L10	10	1 and 9	USPAT	OR	ON	2005/07/06 12:36
L11	1	2 and 10	USPAT	OR	ON	2005/07/06 12:37
L12	1	3 and 11	USPAT	OR	ON	2005/07/06 12:39
L13	182	324/770.ccls.	USPAT	OR	ON	2005/07/06 12:39
L14	112	1 and 13	USPAT	OR	ON	2005/07/06 12:39
L15	3	2 and 14	USPAT	OR	ON	2005/07/06 12:39
L16	3	3 and 15	USPAT	OR	ON	2005/07/06 12:39
L17	0	16 and(compar\$5 or match\$3)same(substrat\$3 or resultant)with(first and second)same image\$1 same(row or column)same(defect\$3 or flaw or fault or malfunction or reject\$3)	USPAT	OR	ON	2005/07/06 12:40



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28	INZZ	18 AND 19 AND malfunction	unrestricted	1	show titles
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1988. (INZZ) A 10-in. diagonal active-matrix monochrome liquid-crystal **display**.

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INSPEC - 1969 to date (INZZ)

Accession number & update

3275468, B89005585; 890000.

Title

A 10-in. diagonal active-matrix monochrome liquid-crystal **display**.

Author(s)

Sakai-S; Masuda-K; Kimura-K; Nomura-T; Kohda-S.

Author affiliation

NTT Appl Electr Lab, Tokyo, Japan.

Source

Review-of-the-Electrical-Communication-Laboratories (Japan), vol.36, no.4, p.395-402, July 1988.

CODEN

RELTAN.

ISSN

ISSN: 0029-067X.

Publication year

1988.

Language

EN.

Publication type

J Journal Paper.

Treatment codes

P Practical.

Abstract

A 10-in. diagonal 400*640 pixel active-matrix monochrome LCD that is thin, light, and has low power consumption has been developed. The new active-matrix circuit has duplicated data input routes as a **defect** tolerance mechanism to enhance the yield of large high resolution LCDs. With this circuit, correct data can be automatically displayed without any additional process such as **defect** detection or laser repair. A new AC drive method where the voltage polarity is changed in pixel **rows** and **columns** during a frame period is also developed and adopted to realize a flicker-free, high-quality LCD image. (3 refs).

Descriptors

liquid-crystal-displays.

Keywords

active matrix monochrome liquid crystal **display**; LCD; data input routes; **defect** tolerance; yield;

defect detection; laser repair; AC drive method; voltage polarity; 10 inch; 256 kpixels.

Classification codes

B7260 (**Display** technology and systems).

B4150D (Liquid crystal devices).

Numerical indexing

picture size: 2.62E+05 pixel;

size: 2.5E-01 m.

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3269961, B89005554; 890000.

Title

A 10 in. diagonal active-matrix monochrome LCD.

Author(s)Sakai-S; Masuda-K; Kimura-K; Nomura-T; Kohda-S.**Author affiliation**

NTT Appl Electron Labs, Tokyo, Japan.

Source

Electrical-Communication-Laboratories-Technical-Journal (Japan), vol.37, no.6-7, p.339-47, 1988.

CODEN

TJECAS.

ISSN

ISSN: 0415-3200.

Publication year

1988.

Language

JA.

Publication type

J Journal Paper.

Treatment codes

N New Development; P Practical.

Abstract

A 10 in. diagonal 400*640 pixel active-matrix monochrome LCD is developed that is thin, light, and has low power consumption. The new active-matrix circuit has duplicated data input routes as a **defect** tolerance mechanism to increase the yield of large high-resolution LCDs. The circuitry can automatically **display** data without any additional processes such as **defect** detection or laser repair. A new AC drive method changes the voltage polarity in pixel **rows** and **columns** during the frame period, giving a flicker-free high-quality LCD image. (3 refs).

Descriptorsliquid-crystal-displays.**Keywords**

data input route duplication; data **display**; active matrix monochrome LCD; **defect** tolerance mechanism; AC drive method; frame period; flicker free high quality LCD image; 10 in; 400 pixel; 640

pixel; 256000 pixel.

Classification codes

B7260 (**Display** technology and systems).

B4150D (Liquid crystal devices).

Numerical indexing

picture size: 4.0E+02 pixel, 6.4E+02 pixel, 2.56E+05 pixel;

size: 2.5E-01 m.

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Last Name = COX

First Name = ANDREW

Application#	Patent#	Status	Date Filed	Title	Inventor Name 39
<u>60631813</u>	Not Issued	020	11/30/2004	SYSTEM AND METHOD FOR EVALUATING FINANCIAL TRANSACTIONS	COX, ANDREW
<u>60571489</u>	Not Issued	159	05/17/2004	INNER CORE LPS EPITOPES AND USES THEREOF	COX, ANDREW
<u>60358384</u>	Not Issued	159	02/22/2002	SYNTHESIS OF LIPOOLIGOSACCHARIDE-PROTEIN CONJUGATE VACCINES WITH CONSERVED INTERNAL OLIGOSACCHARIDE EPITOPES	COX, ANDREW
<u>60227850</u>	Not Issued	159	08/25/2000	GENETIC BASIS FOR EXPRESSION OF THE MAJOR GLOBOTETRAOSE CONTAINING LIPOPOLYSACCHARIDE FROM HAEMOPHILUS INFLUENZAE STRAIN RD (RM118)	COX, ANDREW
<u>60169582</u>	Not Issued	159	12/08/1999	PORTABLE PLANT FOR MIXING ASPHALT RUBBER	COX, ANDREW
<u>60029852</u>	Not Issued	159	10/30/1996	METHOD OF COMPUTERIZED ADMINISTRATION OF A LIFE INSURANCE PLAN WITH A DEFINED BENEFIT PLAN	COX, ANDREW H.
<u>11137644</u>	Not Issued	020	05/25/2005	SYSTEM AND METHOD FOR ROUTING INFORMATION FOR EVALUATING A FINANCIAL TRANSACTION	COX, ANDREW
<u>11109204</u>	Not Issued	020	04/19/2005	METHOD AND APPARATUS FOR EVALUATING A FINANCIAL TRANSACTION	COX, ANDREW
<u>11109203</u>	Not Issued	020	04/19/2005	METHOD AND APPARATUS FOR MANAGING RISK	COX, ANDREW

<u>11108987</u>	Not Issued	020	04/19/2005	METHOD AND APPARATUS FOR MANAGING CREDIT LIMITS	COX, ANDREW
<u>10917072</u>	Not Issued	020	08/12/2004	ICE CONFECTION AND ITS MANUFACTURING PROCESS	COX, ANDREW RICHARD
<u>10505276</u>	Not Issued	030	02/28/2005	SYNTHESIS OF LIPOPOLYSACCHARIDE- PROTEIN CONJUGATE VACCINES VIA THE LIPID A REGION FOLLOWING REMOVAL OF THE GLYCOSIDIC PHOSPHATE RESIDUE	COX, ANDREW
<u>10362458</u>	Not Issued	030	11/01/2004	HAEMOPHILUS INFLUENZAE LIPOPOLYSACCHARIDE INNER- CORE OLIGOSACCHARIDE EPITOPES AS VACCINES FOR THE PREVENTION OF HAEMOPHILUS INFLUENZAE INFECTIONS	COX, ANDREW
<u>10201396</u>	Not Issued	161	07/23/2002	PORTABLE PLANT FOR MIXING ASPHALT AND RUBBER	COX, ANDREW
<u>10165230</u>	<u>6742521</u>	150	06/07/2002	COMBINATION PROPHYLACTIC AND SANITIZER	COX, ANDREW
<u>10093545</u>	<u>6726949</u>	150	03/08/2002	AERATED FROZEN PRODUCT	COX, ANDREW RICHARD
<u>10089583</u>	Not Issued	041	07/11/2002	VACCINE	COX, ANDREW D
<u>10020586</u>	Not Issued	071	10/29/2001	TESTING AN IMAGE DISPLAY DEVICE	COX, ANDREW
<u>09803704</u>	<u>6635300</u>	150	03/09/2001	AERATED FROZEN PRODUCT	COX, ANDREW RICHARD
<u>09633378</u>	Not Issued	164	08/07/2000	PORTABLE PLANT FOR MIXING ASPHALT AND RUBBER	COX, ANDREW
<u>09096106</u>	<u>6010169</u>	150	06/11/1998	AUTOMOTIVE BUMPER	COX, ANDREW
<u>08107738</u>	<u>5524872</u>	150	08/25/1993	CLAMPING DEVICE	COX, ANDREW
<u>08005717</u>	<u>5372751</u>	150	01/19/1993	ACYL ISETHIONATE SKIN CLEANING COMPOSITIONS CONTAINING BETAINES, AMIDO SULFOSUCCINATES OR COMBINATIONS OF THE TWO	COXON, ANDREW C.
<u>07791762</u>	Not	161	11/12/1991	ACYL ISETHIONATE SKIN	COXON,

	Issued			CLEANING COMPOSITIONS CONTAINING BETAINES, AMIDO SULFOSUCCINATES OR COMBINATIONS OF THE TWO	ANDREW C.
<u>07779686</u>	Not Issued	161	10/21/1991	ROTOR SPEED SYNCHRONIZER FOR PLURALITY OF MULTI-ROTOR AIRCRAFT ENGINES	COX, ANDREW L.
<u>07563468</u>	Not Issued	161	08/07/1990	ACYL ISETHIONATE SKIN CLEANSING COMPOSITIONS CONTAINING SELECTED BETAINES	COXON, ANDREW C.
<u>07488023</u>	5000905	150	05/16/1990	STRETCH BLOW-MOULDING THERMOPLASTICS ARTICLES	COX, ANDREW P. D.
<u>07477136</u>	Not Issued	161	02/07/1990	DETERGENT COMPOSITIONS	COXON, ANDREW C.
<u>07362189</u>	4952808	150	06/06/1989	THERMAL RADIATION DETECTION APPARATUS	COX, ANDREW I.
<u>07274641</u>	Not Issued	166	11/17/1988	DETERGENT COMPOSITIONS	COXON, ANDREW C.
<u>07010635</u>	4775855	150	02/04/1987	HOSE LEAK DETECTORS	COX, ANDREW P. D.
<u>07008716</u>	Not Issued	166	01/30/1987	DETERGENT COMPOSITIONS	COXON, ANDREW C.
<u>06733413</u>	4675393	150	05/13/1985	PROCESS FOR PREPARING GLUCOSE JEMTAACETATE AND XYLOCE TETRAACETATE	COXON, ANDREW C.
<u>06601914</u>	Not Issued	161	04/19/1984	FLEXIBLE HOSE	COX, ANDREW P. D.
<u>06601913</u>	4576037	150	04/19/1984	LEAK DETECTORS	COX, ANDREW P. D.
<u>06478403</u>	Not Issued	166	03/24/1983	PROCESS FOR PREPARING SUGAR ACETATES	COXON, ANDREW C.
<u>06150824</u>	4298491	150	05/19/1980	PROCESS FOR MAKING DETERGENT COMPOSITIONS	COXON, ANDREW C.
<u>06067197</u>	4279135	150	08/16/1979	DYEING, WASHING AND/OR MILLING	COX, ANDREW G.

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